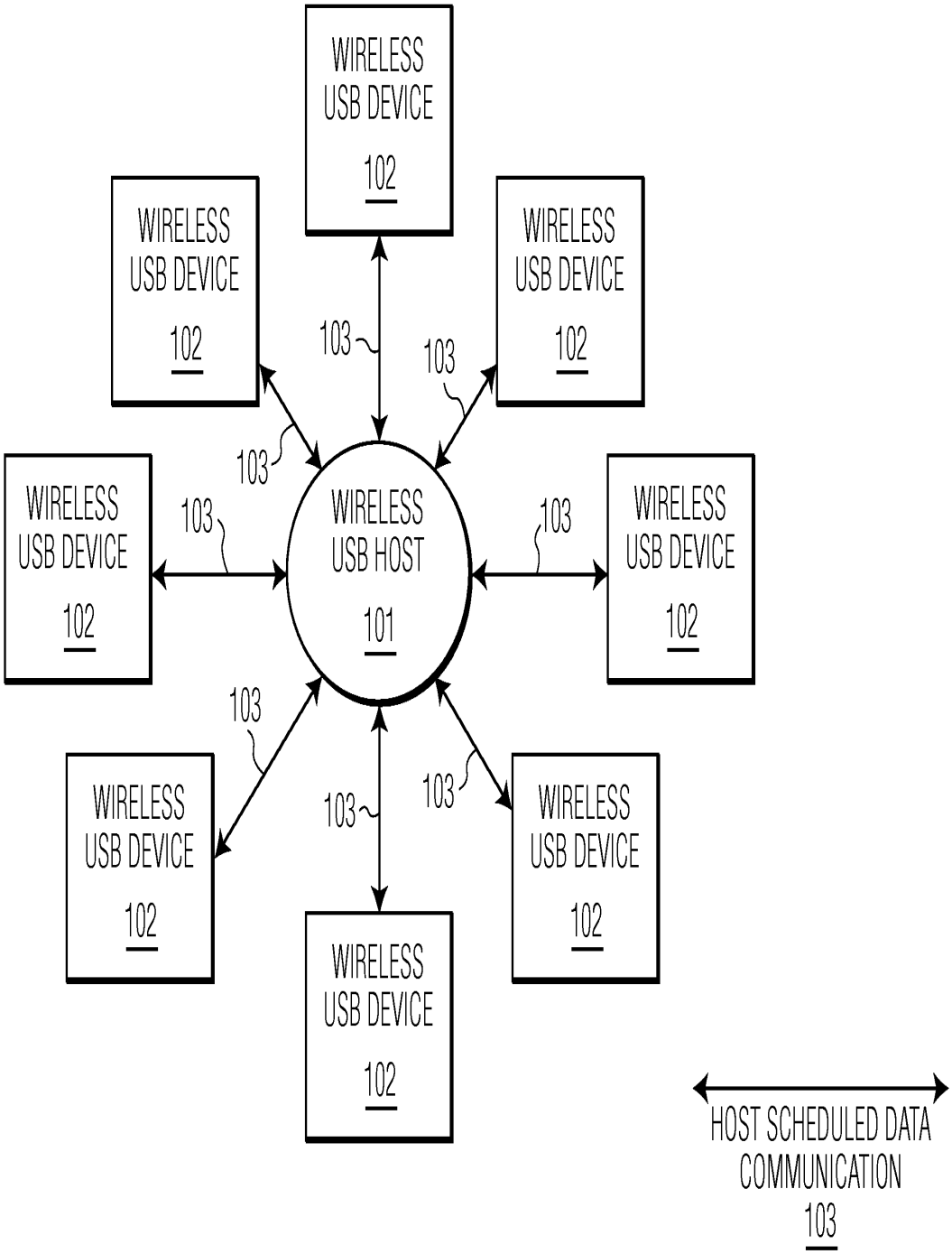
WIRELESS USB DEVICE 102
WIRELESS USB DEVICE 102
WIRELESS USB DEVICE 102
WIRELESS USB DEVICE 102
WIRELESS USB HOST 101
WIRELESS USB DEVICE 102
WIRELESS USB DEVICE 102
WIRELESS USB DEVICE 102
WIRELESS USB DEVICE 102
103
103
103
103
103
103
103
103
HOST SCHEDULED DATA COMMUNICATION 103

FIG. 1

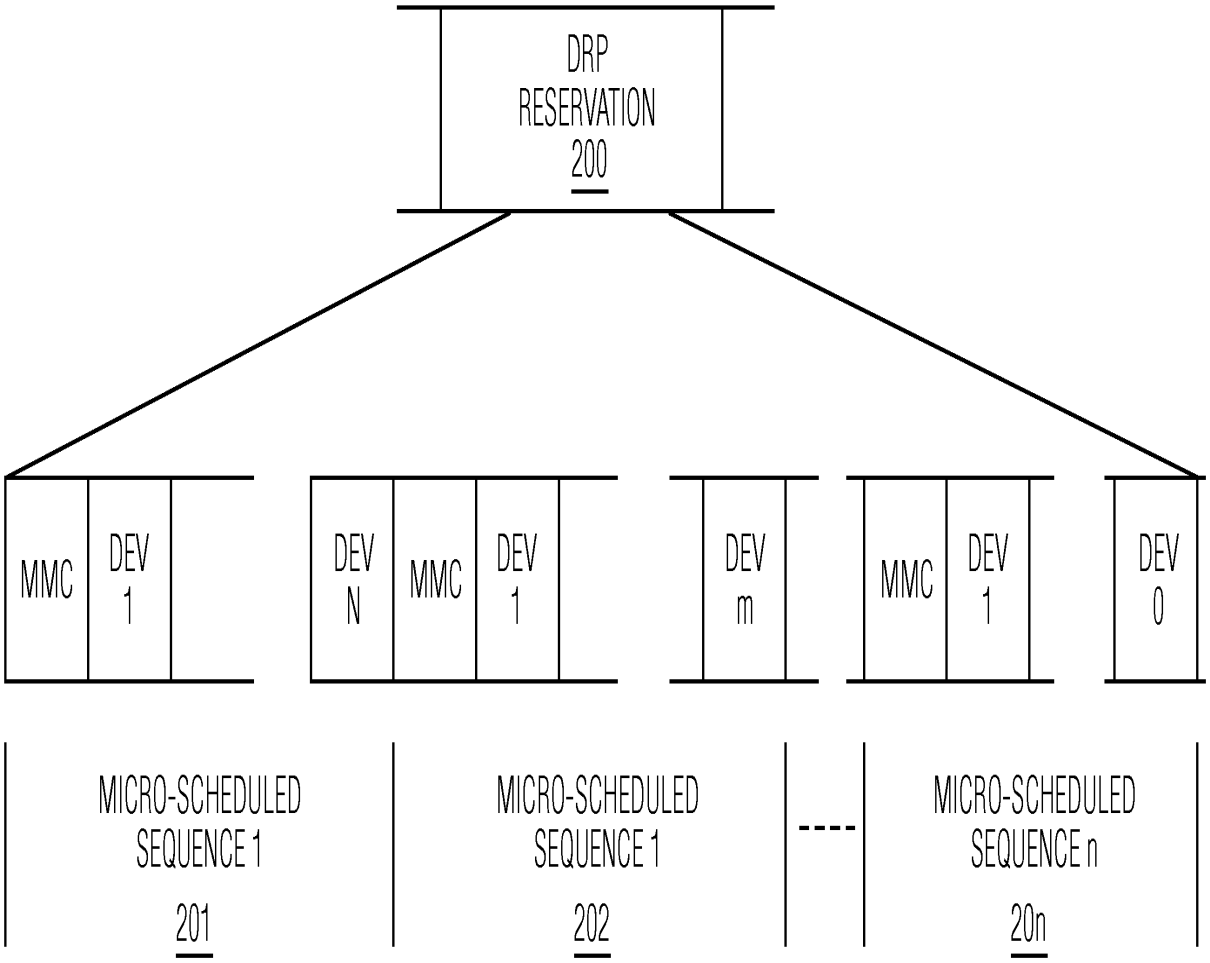
DRP
RESERVATION
200
MMC
DEV
1
DEV
N
MMC
DEV
1
DEV
m
MMC
DEV
1
DEV
0
MICRO-SCHEDULED
SEQUENCE 1
201
MICRO-SCHEDULED
SEQUENCE 1
202
MICRO-SCHEDULED
SEQUENCE n
20n

FIG. 2

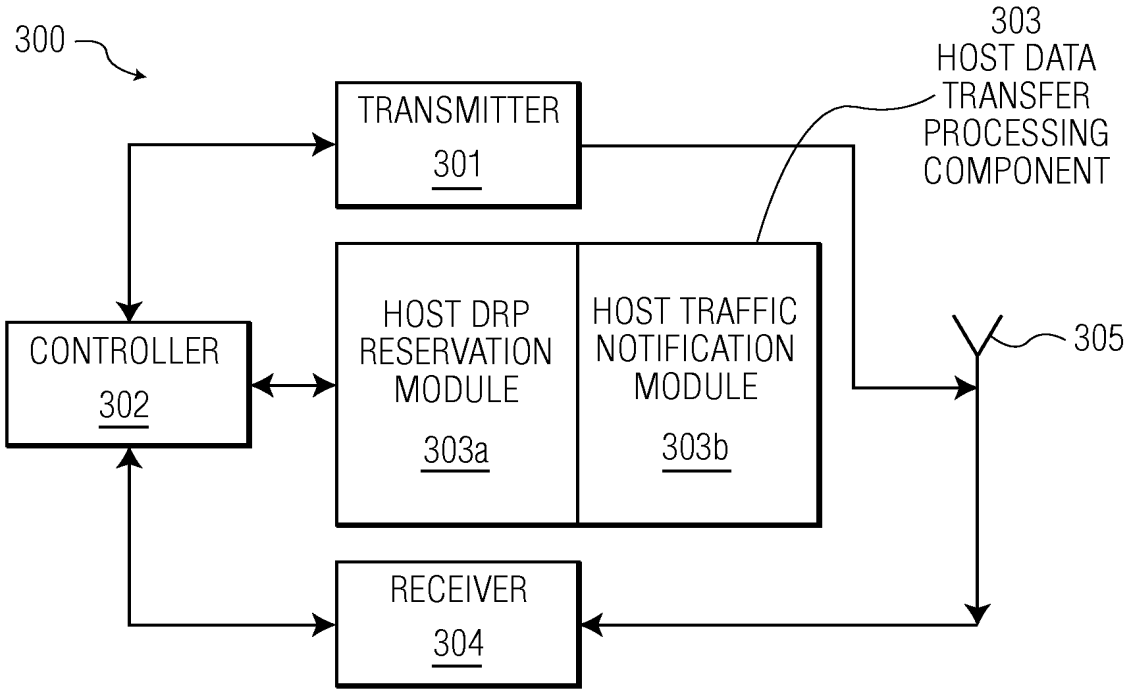
300
303
HOST DATA
TRANSFER
PROCESSING
COMPONENT
TRANSMITTER
301
CONTROLLER
302
HOST DRP
RESERVATION
MODULE
303a
HOST TRAFFIC
NOTIFICATION
MODULE
303b
305
RECEIVER
304

FIG. 3A

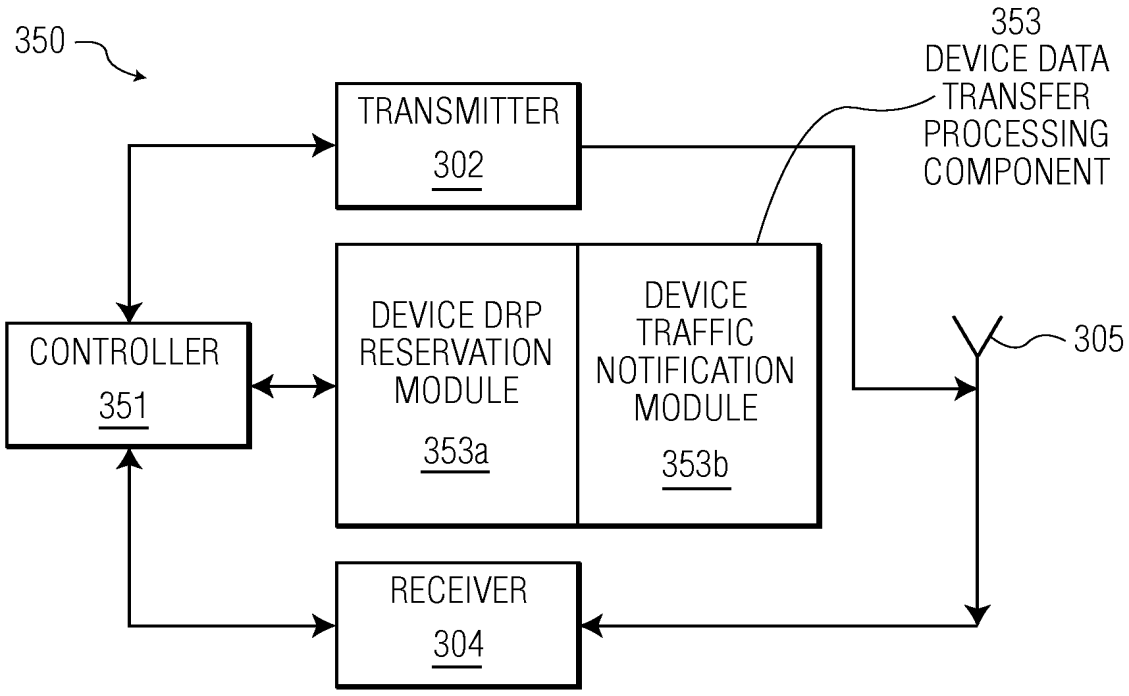
350
353
DEVICE DATA
TRANSFER
PROCESSING
COMPONENT
TRANSMITTER
302
CONTROLLER
351
DEVICE DRP
RESERVATION
MODULE
353a
DEVICE
TRAFFIC
NOTIFICATION
MODULE
353b
305
RECEIVER
304

FIG. 3B

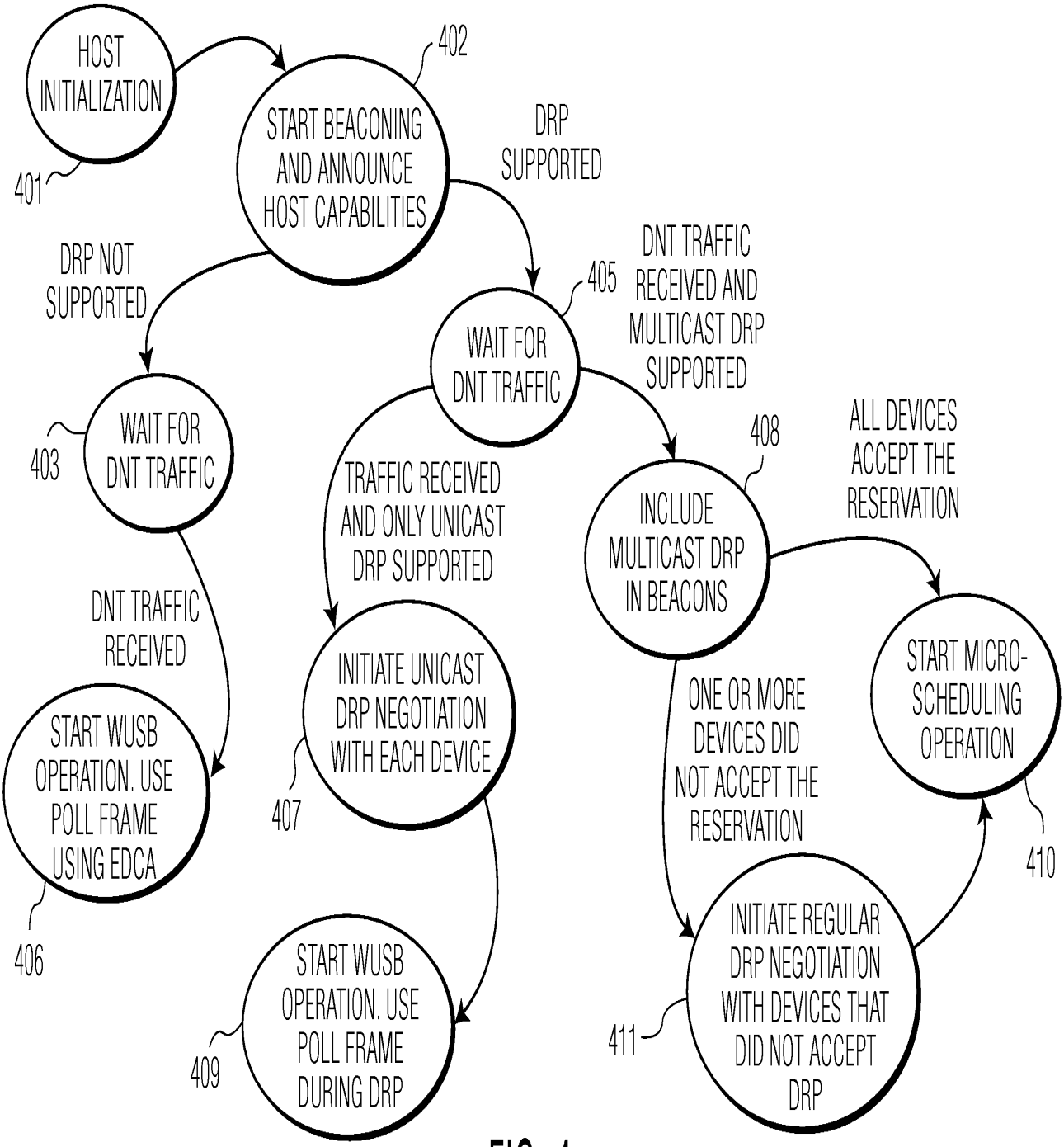
HOST INITIALIZATION
401
START BEACONING AND ANNOUNCE HOST CAPABILITIES
402
DRP SUPPORTED
DRP NOT SUPPORTED
WAIT FOR DNT TRAFFIC
403
DNT TRAFFIC RECEIVED
START WUSB OPERATION. USE POLL FRAME USING EDCA
406
WAIT FOR DNT TRAFFIC
405
DNT TRAFFIC RECEIVED AND MULTICAST DRP SUPPORTED
TRAFFIC RECEIVED AND ONLY UNICAST DRP SUPPORTED
INITIATE UNICAST DRP NEGOTIATION WITH EACH DEVICE
407
START WUSB OPERATION. USE POLL FRAME DURING DRP
409
INCLUDE MULTICAST DRP IN BEACONS
408
ALL DEVICES ACCEPT THE RESERVATION
START MICRO-SCHEDULING OPERATION
410
ONE OR MORE DEVICES DID NOT ACCEPT THE RESERVATION
INITIATE REGULAR DRP NEGOTIATION WITH DEVICES THAT DID NOT ACCEPT DRP
411

FIG. 4